

REVOCATION OF POWER OF ATTORNEY WITH A NEW POWER OF ATTORNEY AND CHANGE OF
CORRESPONDENCE ADDRESS

I hereby revoke all previous powers of attorney, if any, given in the applications and patents identified in the attached list.

I hereby appoint Practitioner(s) associated with customer number

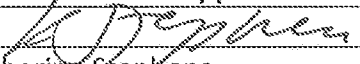
16621

as my/our attorney(s) or agent(s) to prosecute each of the applications and patents in the attached list, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please also recognize or change the correspondence address for the applications and patents identified in the attached list to the address associated with the above-mentioned Customer Number.

I am the Assignee of record of the entire interest. A Statement under 37 C.F.R. §3.73(b) is submitted herewith.



SIGNATURE of Applicant or Assignee of Record			
Signature		Date	11-1-2011
Name	Katherine Stephens	Telephone	650-253-0000
Title and Company	Senior Corporate Counsel & Assistant Secretary of Google Inc.		

	A	B	C	D	E	F
1	FILE NUMBER	TITLE	APPLICATION NUMBER	DATE FILED	PATENT NUMBER	GRANT DATE
2	030120-000110US	Build an universal sharding/re-sharding mechanism for conventional RDBMS	13035572	25-Feb-11		
3	030120-000210US	Speech and Method for Evaluating Speech Exposure	13159789	14-Jun-11		
4	030120-000310US	Markov Modeling of Service Usage Patterns	13157006	9-Jun-11		
5	030120-000410US	GROWTH AND USE OF SELF-TERMINATING PREDICTION TREES	13082231	7-Apr-11		
6	030120-000510US	MODULAR COMPUTING SYSTEM	10173734	18-Jun-02	7054963	30-May-06
7	030120-000520US	Component for use as a portable computing device and pointing device in a modular computing system	10391360	18-Mar-03		
8	030120-000530US	Component for use as a portable computing device and pointing device in a modular computing system	12010434	24-Jan-08		
9	030120-000540US	MODULAR COMPUTING SYSTEM	11348996	7-Feb-06		
10	030120-000550US	MODULAR COMPUTING SYSTEM	12848886	2-Aug-10		
11	030120-000560US	MODULAR COMPUTING SYSTEM	11367246	2-Mar-06		
12	030120-000570US	MODULAR COMPUTING SYSTEM	11523242	19-Sep-06		
13	030120-000580US	MODULAR COMPUTING SYSTEM	12189687	11-Aug-08		
14	030120-000610US	ELECTRONIC DEVICE WITH INTEGRAL CONNECTORS	10197378	17-Jul-02	7390197	24-Jun-08
15	030120-000620US	ELECTRONIC DEVICE WITH INTEGRAL CONNECTORS	10688872	17-Oct-03	7247032	24-Jul-07
16	030120-000630US	ELECTRONIC DEVICE WITH INTEGRAL CONNECTORS	11686448	15-Mar-07	7357648	15-Apr-08
17	030120-000710US	Bi-directional DC power conversion system	10230812	29-Aug-02	6690585	10-Feb-04
18	030120-000810US	Keyboard with variable-sized keys	10282527	29-Oct-02	7372454	13-May-08
19	030120-000910US	PERSONAL COMPUTING DEVICE HAVING SINGLE-CELL BATTERY	10384083	7-Mar-03	7493500	17-Feb-09
20	030120-000920US	PERSONAL COMPUTING DEVICE HAVING SINGLE-CELL BATTERY	12367051	6-Feb-09		
21	030120-001010US	COMPONENT FOR USE AS A PORTABLE COMPUTING DEVICE AND POINTING DEVICE	10391277	18-Mar-03	7054965	30-May-06
22	030120-001110US	BLENDED TRANSFER FUNCTION FOR COMPUTER POINTING DEVICES	10831758	23-Apr-04	7274355	25-Sep-07
23	030120-001120US	BLENDED TRANSFER FUNCTION FOR COMPUTER POINTING DEVICES	11837154	10-Aug-07		
24	030120-001210US	NON-BINDING SLIDING DISPLAY FOR A HANDHELD ELECTRONIC DEVICE	10997794	23-Nov-04	7353053	1-Apr-08
25	030120-001220US	NON-BINDING SLIDING DISPLAY FOR A HANDHELD ELECTRONIC DEVICE	11841695	20-Aug-07		
26	030120-001300US	ULTRA PERSONAL COMPUTER WITH SLIDABLE MONITOR AND THUMB KEYBOARD	29218873	7-Dec-04	D524809	11-Jul-06

	A	B	C	D	E	F
1	FILE NUMBER	TITLE	APPLICATION NUMBER	DATE FILED	PATENT NUMBER	GRANT DATE
27	030120-001410US	Docking station for mobile computing device	11029865	5-Jan-05		
28	030120-001420US	Docking station for mobile computing device	12868149	25-Aug-10		
29	030120-001510US	DOCKING CABLE	11049767	3-Feb-05	7285021	23-Oct-07
30	030120-001520US	DOCKING MODULE COMPRISING A DC-DC CHARGER	11503022	11-Aug-06	7462073	9-Dec-08
31	030120-001530US	DOCKING CABLE	11778686	17-Jul-07	7537485	26-May-09
32	030120-001610US	MULTIPLE DISPARATE WIRELESS UNITS SHARING OF ANTENNAS	11234477	22-Sep-05	7352332	1-Apr-08
33	030120-001620US	One-touch backup system	12071078	15-Feb-08		
34	030120-001630US	Multiple Disparate Wireless Units Sharing of Antennas	13176734	5-Jul-11		
35	030120-001710US	Interface between subsystems in a digital processing device	11251595	13-Oct-05		
36	030120-001720US	OPTIMIZATION OF SUBSYSTEM INTERCONNECTIONS IN AN ELECTRONIC DEVICE	11835383	7-Aug-07		
37	030120-001810US	Service processor for controlling a user interface	11580235	12-Oct-06		
38	030120-001910US	Hybrid hardware/firmware multi-axis accelerometers for pointer control and user interface	11580236	12-Oct-06		
39	030120-001920US	Hybrid hardware/firmware multi-axis accelerometers for drop detect and tumble detect	11580237	12-Oct-06		
40	030120-002510US	COMBINED OUTFLOW PORTAL FOR ACOUSTIC AND THERMAL ENERGY	11580213	12-Oct-06	7518860	14-Apr-09
41	030120-002520US	Electromagnetic interference circuit package shield	11580212	12-Oct-06		
42	030120-002610US	Single line dock status autoidentification	11580238	12-Oct-06		
43	030120-002620US	Single line dock status autoidentification	12879213	10-Sep-10		
44	030120-002710US	METHOD FOR PROTECTING A CONNECTION INTERFACE IN A COMPUTER-DOCKING ASSEMBLY	11650395	5-Jan-07	7810222	12-Oct-10
45	030120-002720US	METHOD FOR PROTECTING A CONNECTION INTERFACE IN A COMPUTER-DOCKING ASSEMBLY	12884962	17-Sep-10		
46	030120-002800US	COMPUTER DOCKING ASSEMBLY	29270870	5-Jan-07	D579451	28-Oct-08
47	030120-002910US	Docking assembly for a computer and method	11650397	5-Jan-07		
48	030120-002920US	Docking assembly for a computer and method	12851098	5-Aug-10		
49	030120-003010US	LOGICAL BATTERY PARTITIONS CONFIGURED BY USER INTERFACE	11702010	1-Feb-07	7873852	18-Jan-11
50	030120-003020US	LOGICAL BATTERY PARTITIONS	12982162	30-Dec-10		

	A	B	C	D	E	F
1	FILE NUMBER	TITLE	APPLICATION NUMBER	DATE FILED	PATENT NUMBER	GRANT DATE
51	030120-003100US	OPEN-CONFIGURED COMPUTER DOCKING ASSEMBLY WITH TWO PIVOT ARMS	29280732	5-Jun-07	D602938	27-Oct-09
52	030120-003210US	POWER SOURCE SENSING AND BATTERY CHARGING	11970415	7-Jan-08		
53	030120-003300US	KEYBOARD FOR HAND HELD COMPUTING DEVICE	29290728	7-Jan-08	D581935	2-Dec-08
54	030120-003410US	SCREEN CONDENSATION WITH HETEROGENEOUS DISPLAY RESOLUTION	12034598	20-Feb-08		
55	030120-003510US	CHECKING ELECTRONIC MESSAGES FOR COMPLIANCE WITH USER INTENT	12044892	7-Mar-08		
56	030120-003520US	CHECKING ELECTRONIC MESSAGES FOR COMPLIANCE WITH USER INTENT	12756435	8-Apr-10		
57	030120-003610US	MULTI-USE LIGHT INDICATORS	12134167	5-Jun-08		
58	030120-003710US	USER CONFIGURATION FOR MULTI-USE LIGHT INDICATORS	12134173	5-Jun-08		
59	030120-003810US	CONTROL OF DUAL FUNCTION INPUT AREA	12134976	6-Jun-08		
60	030120-003910US	COMPUTER DISPLAY CONTROL USING MULTIPLE INPUT DEVICES WITH DIFFERENT COMBINATIONS OF INPUT FUNCTIONS	12134980	6-Jun-08		
61	030120-004010US	DATA BLOCK COMPRESSION USING COALESCION	12136643	10-Jun-08		
62	030120-004110US	INTELLIGENT EXTERNAL DISPLAY CONFIGURATION ON MOBILE DEVICES	12139322	13-Jun-08		
63	030120-004210US	COMPUTING WITH LOCAL AND REMOTE RESOURCES INCLUDING USER MODE CONTROL	12163936	27-Jun-08		
64	030120-004310US	SELECTION OF VIRTUAL COMPUTING RESOURCES USING HARDWARE MODEL PRESENTATIONS	12163940	27-Jun-08		
65	030120-004410US	COMPUTING WITH LOCAL AND REMOTE RESOURCES USING AUTOMATED OPTIMIZATION	12163942	27-Jun-08		
66	030120-004510US	User-operated directional controller for an electronic device	12348820	5-Jan-09		
67	030120-004610US	Keyboard for hand held computing device	12350004	7-Jan-09		
68	030120-004710US	CONNECTOR INCLUDING ELECTRONIC DEVICE	12409890	24-Mar-09		
69	030120-004810US	Computer Having Interlocking L-Shape Components	12436437	6-May-09		
70	030120-004910US	Compact Antenna	12436428	6-May-09		
71	030120-005010US	USE OF SPATIAL HIGH-PASS FILTERING OF IMAGES TO INCREASE PERCEIVED BRIGHTNESS OF EMISSIVE DISPLAY	12538841	10-Aug-09		
72	030120-005110US	PIXEL-LEVEL POWER OPTIMIZATION FOR OLED DISPLAYS	12538843	10-Aug-09		

	A	B	C	D	E	F
1	FILE NUMBER	TITLE	APPLICATION NUMBER	DATE FILED	PATENT NUMBER	GRANT DATE
73	030120-005210US	SELECTIVE DIMMING OF OLED DISPLAYS	12538846	10-Aug-09		
74	030120-005310US	TOUCH-TYPING KEYBOARD FOR TOUCH SCREENS	12538847	10-Aug-09		
75	030120-005410US	MECHANICAL MECHANISM FOR REVEALING KEYBOARD IN L-SHAPED, 2-PART SYSTEM	12539090	11-Aug-09		
76	030120-005510US	Multilayer compact antenna	12554813	4-Sep-09		
77	030120-008010US	Translation Access	13168247	24-Jun-11		
78	030120-008110US	Post Edit Localization Evaluation in Offline Context of an Application	13222160	31-Aug-11		
79	030120-008210US	Parser Training for Improved Machine Reordering	13174762	30-Jun-11		
80	030120-008310US	Training Dependency Parsers by Jointly Optimizing Multiple Objectives	13174699	30-Jun-11		
81	030120-008510US	Rules-Based Language Detection	13173545	30-Jun-11		
82	030120-008610US	Language Classifiers for Language Detection	13173561	30-Jun-11		
83	030120-008710US	Cluster-Based Language Detection	13173572	30-Jun-11		
84	030120-008810US	Language Detection Based Upon a Social Graph	13173581	30-Jun-11		
85	030120-008910US	Multi-Language Sorting Index	13174131	30-Jun-11		
86	030120-008911US	Multi-Language Sorting Index	13174149	30-Jun-11		
87	030120-009010US	Translation Game	13170308	28-Jun-11		
88	030120-009210US	Application Localization	13222102	31-Aug-11		
89	030120-009310US	Back-Translation Filtering	13149838	31-May-11		
90	030120-009410US	Machine Automated Evaluation of the Provided Localization of an Application	13222259	31-Aug-11		
91	030120-010710US	Web Application Resource Manager on the Web	13246288	27-Sep-11		
92	030120-010810US	STORY WORKFLOW MANAGEMENT SYSTEM AND METHOD	9526700	15-Mar-00	6557013	29-Apr-03
93	030120-010820US	CONTENT DEVELOPMENT MANAGEMENT SYSTEM AND METHOD	9851789	8-May-01	6697821	24-Feb-04
94	030120-010830US	STORY WORKFLOW MANAGEMENT SYSTEM AND METHOD	9860578	21-May-01		
95	030120-010840US	CONTENT DEVELOPMENT MANAGEMENT SYSTEM AND METHOD	10760093	15-Jan-04		
96	030120-011110US	Method and apparatus for a verbo-manual gesture interface	11246050	7-Oct-05	7519537	14-Apr-09
97	030120-011210US	SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FOR AUTOMATICALLY SELECTING, SUGGESTING AND PLAYING MUSIC MEDIA FILES	11267079	3-Nov-05	7542816	2-Jun-09

	A	B	C	D	E	F
1	FILE NUMBER	TITLE	APPLICATION NUMBER	DATE FILED	PATENT NUMBER	GRANT DATE
98	030120-011211US	SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FOR COLLABORATIVE BACKGROUND MUSIC AMONG PORTABLE COMMUNICATION DEVICES	11610615	14-Dec-06	7603414	13-Oct-09
99	030120-011212US	SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FOR COLLABORATIVE BACKGROUND MUSIC AMONG PORTABLE COMMUNICATION DEVICES	11697706	7-Apr-07		
100	030120-011213US	SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FOR AUTOMATICALLY SELECTING, SUGGESTING AND PLAYING MUSIC MEDIA FILES	13156311	8-Jun-11		
101	030120-011220US	SHAKE RESPONSIVE PORTABLE MEDIA PLAYER	11539598	6-Oct-06	7586032	8-Sep-09
102	030120-011230US	SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FOR REJECTING OR DEFERRING THE PLAYING OF A MEDIA FILE RETRIEVED BY AN AUTOMATED PROCESS	11285534	22-Nov-05	7489979	10-Feb-09
103	030120-011240US	SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FOR COLLABORATIVE BROADCAST MEDIA	11533037	19-Sep-06	7562117	14-Jul-09
104	030120-011250US	SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FOR COLLABORATIVE BROADCAST MEDIA	11676298	18-Feb-07		
105	030120-011260US	Collaborative Rejection of Media for Physical Establishments	11744879	6-May-07		
106	030120-011270US	SOCIAL MUSICAL MEDIA RATING SYSTEM AND METHOD FOR LOCALIZED ESTABLISHMENTS	11871966	12-Oct-07	7917148	29-Mar-11
107	030120-011310US	GAZE DISCRIMINATING ELECTRONIC CONTROL APPARATUS, SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT	11381504	3-May-20	7438414	21-Oct-08
108	030120-011410US	APPARATUS, SYSTEM, AND METHOD FOR ELECTRONICALLY ADAPTIVE PERCUSSION INSTRUMENTS	11421394	31-May-06	7394014	1-Jul-08
109	030120-011510US	SPATIALLY ASSOCIATED PERSONAL REMINDER SYSTEM AND METHOD	11427325	28-Jun-06	7577522	18-Aug-09
110	030120-011610US	GAZE-RESPONSIVE INTERFACE TO ENHANCE ON-SCREEN USER READING TASKS	11466374	22-Aug-06	7429108	30-Sep-08
111	030120-011710US	PORTABLE MUSIC PLAYER WITH SYNCHRONIZED TRANSMISSIVE VISUAL OVERLAYS	11626992	25-Jan-07	7732694	8-Jun-10
112	030120-013810US	Segmented non-volatile memory array with multiple sources with improved word line control circuitry	8606246	23-Feb-96	5673224	30-Sep-97

	A	B	C	D	E	F
1	FILE NUMBER	TITLE	APPLICATION NUMBER	DATE FILED	PATENT NUMBER	GRANT DATE
113	030120-013820US	System and method for encoding data to reduce power and time required to write the encoded data to a flash memory	8730181	15-Oct-96	5873112	16-Feb-99
114	030120-013830US	Segmented non-volatile memory array with multiple sources with improved word line control circuitry	8928779	12-Sep-97	5959884	28-Sep-99
115	030120-013840US	System and method for encoding data to reduce power and time required to write the encoded data to a flash memory	9146508	3-Sep-98	6292868	18-Sep-01
116	030120-013910US	Method and Apparatus for Adaptive Data Compression	9782614	13-Feb-01	6606040	12-Aug-03
117	030120-013920US	Method and Apparatus for Adaptive Data Compression	10420018	18-Apr-03	6700512	2-Mar-04
118	030120-013930US	Method and Apparatus for Adaptive Data Compression	10788003	27-Feb-04	6879271	12-Apr-05
119	030120-013940US	Method and Apparatus for Adaptive Data Compression	11077183	9-Mar-05		
120	030120-013950US	Method and Apparatus for Adaptive Data Compression	11488965	19-Jul-06		
121	030120-014010US	Large Database Search Using Content Addressable Memory and Hash	9927599	9-Aug-01	6889225	3-May-05
122	030120-014020US	Search Engine for Large Database Search Using Hash Pointers	10065261	30-Sep-02	6917934	12-Jul-05
123	030120-014030US	Search Engine for Large Database Search Using Hash Pointers	10065267	30-Sep-02	7107258	12-Sep-06
124	030120-014110US	Method and Apparatus for Processing Arbitrary Key Bit Length Encryption Operations with Similar Efficiencies	10228151	26-Aug-02	7451326	11-Nov-08
125	030120-014120US	Method and Apparatus for Processing Arbitrary Key Bit Length Encryption Operations with Similar Efficiencies	12287864	14-Oct-08	7962758	14-Jun-11
126	030120-014130US	Method and Apparatus for Processing Arbitrary Key Bit Length Encryption Operations with Similar Efficiencies	13096470	28-Apr-11		
127	030120-014210US	DENSE MODE CODING SCHEME	10262643	30-Sep-02	7346009	18-Mar-08
128	030120-014211US	DENSE MODE CODING SCHEME	11969521	4-Jan-08	7633960	15-Dec-09
129	030120-014212US	DENSE MODE CODING SCHEME	12612443	4-Nov-09	8023519	20-Sep-11
130	030120-014213US	DENSE MODE CODING SCHEME	13221566	30-Aug-11		
131	030120-014310US	AUTOMATIC CONVERSION SYSTEM	9284272	24-Mar-98	6601108	29-Jul-03
132	030120-014320US	NON-INTRUSIVE DIGITAL RIGHTS ENFORCEMENT	9941515	28-Aug-01	7167925	23-Jan-07
133	030120-014321US	Automatic Conversion System	11621267	9-Jan-07		
134	030120-015610US	DYNAMIC CONTENT CONVERSION	11918458	10-Apr-06	7987293	26-Jul-11
135	030120-015611US	DYNAMIC CONTENT CONVERSION	13187600	21-Jul-11		
136	030120-015710US	CONFIGURATION SETTING	10574759	4-Oct-04		

	A	B	C	D	E	F
1	FILE NUMBER	TITLE	APPLICATION NUMBER	DATE FILED	PATENT NUMBER	GRANT DATE
137	030120-015810US	ADDRESSING TECHNIQUE FOR A FAULT TOLERANT BLOCK-STRUCTURED STORAGE DEVICE	7652870	8-Feb-91	5392288	21-Feb-95
138	030120-015911US	ADDRESS ERROR DETECTION TECHNIQUE FOR INCREASING THE RELIABILITY OF A STORAGE SUBSYSTEM	8163397	6-Dec-93	5392302	21-Feb-95
139	030120-016010US	SOLID-STATE DISK MEMORY USING STORAGE DEVICES WITH DEFECTS	7896960	11-Jun-92		
140	030120-016011US	SOLID-STATE DISK MEMORY USING STORAGE DEVICES WITH DEFECTS	8212334	14-Mar-94	5459742	17-Oct-95
141	030120-016110US	SOLID STATE DISK DRIVE UNIT HAVING ON-BOARD BACKUP NON-VOLATILE MEMORY	8130047	30-Sep-93	5535399	9-Jul-96
142	030120-016210US	TAPE PATH FOR A CARTRIDGE TAPE DRIVE	9689837	13-Oct-00	6744593	1-Jun-04
143	030120-016310US	METHODS AND APPARATUS FOR CALIBRATION OF A ROTATING SCANNER TO A TRACK RECORDED ON A TAPE	8941972	1-Oct-97	6072653	6-Jun-00
144	030120-016320US	METHODS AND APPARATUS FOR CALIBRATION OF A ROTATING SCANNER TO A TRACK RECORDED ON A TAPE	9495475	1-Feb-00	6317283	13-Nov-01
145	030120-016410US	TAPE MOVING MECHANISM USING A DIRECT DRIVE MOTOR	8596538	5-Feb-96	6059212	9-May-00
146	030120-016510US	METHOD AND ARRANGEMENT FOR SERVOING AND FORMATTING MAGNETIC RECORDING TAPE	8557772	13-Nov-95	5796537	18-Aug-98
147	030120-016520US	METHOD AND ARRANGEMENT FOR SERVOING AND FORMATTING MAGNETIC RECORDING TAPE	9071696	1-May-98	6031681	29-Feb-00
148	030120-016530US	METHOD AND ARRANGEMENT FOR SERVOING AND FORMATTING MAGNETIC RECORDING TAPE	9398426	17-Sep-99	6061199	9-May-00
149	030120-016610US	TAPE COUPLING ARRANGEMENT FOR SINGLE REEL CARTRIDGE	8956645	23-Oct-97	6079651	27-Jun-00
150	030120-016710US	SINGLE REEL TAPE CARTRIDGE SLIDING DOOR WITH AUXILIARY LEADER RETRACTOR	9972552	5-Oct-01	6604701	12-Aug-03
151	030120-016720US	SINGLE REEL TAPE CARTRIDGE SLIDING DOOR WITH AUXILIARY LEADER RETRACTOR	10464207	18-Jun-03	6722599	20-Apr-04
152	030120-016810US	STORAGE MEDIUM CARTRIDGE USE WITH A STORAGE MEDIUM CARTRIDGE GRIPPING ASSEMBLY	9266396	11-Mar-99	6729825	4-May-04
153	030120-016910US	TAPE CLEANING APPARATUS	11084424	16-Mar-05	7369362	6-May-08